

IN THE SPECIFICATION

*Please replace the paragraphs at page 68, lines 26-34 with the following amended paragraphs:*

Scaffold like CCPN's type A's: 3'-GCGCNNNNNGGCG-5' (SEQ ID NO:1)

One specific scaffold e.g. the one illustrated above could e.g. have the specific sequence: 3'-GCGCATTAGGCG-5'. (SEQ ID NO:2)

Another scaffold type A, demanding the same chemistries but having another skeleton could have the specific sequence: 3'-GCGCTTAAGGCG-5' (SEQ ID NO:3) etc.

Scaffold like CCPN's type B's: 3'-AATTNNNNTAAT-5' (SEQ ID NO:4)

*Please replace the paragraphs at page 69, lines 1-23 with the following amended paragraphs:*

One specific scaffold e.g. the one illustrated above could e.g. have the specific sequence: 3'-AATTGCCGTAAT-5' (SEQ ID NO:5)

Another scaffold type A, demanding the same chemistries but having another skeleton could have the specific sequence: 3'-AATTGGGTAAT-5' (SEQ ID NO:6) etc.

Suzuki type CCPN's: 3'-TTTTGAGANNNAAGGTTTT-5' (SEQ ID NO:7)

One specific Suzuki type CCPN e.g. C1 illustrated above could e.g. have the specific sequence: 3'-

TTTTGAGATTCCAAGGTTTT-5' (SEQ ID NO:8). Another Suzuki type CCPN could e.g. have the sequence 3'-TTTGAGACTCAAGGTTTT-5' (SEQ ID NO:9).

Acylation type CCPN's: 3'-GTTGNNNNTTGG-5' (SEQ ID NO:10)

Alkylation type CCPN's: 3'-AACCNNNNACCA-5' (SEQ ID NO:11)

HWE/Wittig type CCPN's: 3'-TTCCNNNNCTCT-5' (SEQ ID NO:12)

CPN type 1a sequences: 3'-NNNNCTCAAAAACGCCNNNGCGC-5' (SEQ ID NO:13)

One specific type of these would be 3'-GGAATCTCAAAAACGCCTAATGCGC-5' (SEQ ID NO:14) this CPN would allow the hybridization of CCPN type A and CCPN type C1.

Another specific sequence would allow the hybridization of e.g. C2 instead of C1 but not C3-C7 etc.

*Please replace the paragraphs at page 69, lines 29-31 with the following amended paragraphs:*

CPN type 2a sequences: 3'-TGGTNNNNGTTCCAANNNAACAAAAACCTT-5' (SEQ ID NO:15)

CPN type 2b sequences: 3'-CCAANNNAACAAAAACCTT-5' (SEQ ID NO:16)

*Please replace the paragraphs at page 72, lines 6-12 with the following amended paragraphs:*

CCPN1: 3'-GT-GGTITITI-5' (SEQ ID NO:17)

CCPN2: 3'-TG-GGTITITI-5' (SEQ ID NO:18)

CCPN3: 3'-GTITTTITI-TTTT-GGTITITI-5' (SEQ ID NO:19)

CCPN4: 3'-**GT**TTT**TT**-GGGG-**GG**TITITI-5' (SEQ ID NO:20)

CCPN5: 3'-**GT**TTT**TT**-GTGT-**GG**TITITI-5' (SEQ ID NO:21)

CCPN6: 3'-**GT**TTT**TT**-TG-5' (SEQ ID NO:22)

CCPN7: 3'-**GT**TTT**TT**-TT-5' (SEQ ID NO:23)

*Please replace the paragraph at page 72, line 23  
with the following amended paragraph:*

CPN1: 3'-NN-CACAACAC-CACACACC-NN-5' (SEQ ID NO:24)

*Please replace the paragraphs at page 73, lines 11-  
12 with the following amended paragraphs:*

Terminator1: 3'-CACACACC-NN-5' (SEQ ID NO:25)

Terminator2: 3'-**GT**TTT**TT**-NN-5' (SEQ ID NO:26)

*Please replace the paragraphs at page 74, lines 3-15  
with the following amended paragraphs:*

CPN1: 5'-pGCNNNNNACGCGANNNTACGTANNNTGTCACNNNNTCGTCA  
NNNNNGC-3' (SEQ ID NO:27)

CPN2: 5'-pGCNNNNNTCATCTNNNNNGCTACNNNNNGC-3' (SEQ ID  
NO:28)

CCPN1: 5'-GCCTATGTGACGAATCTGTG-XXXXX-GATTC-Y-3'  
(SEQ ID NO:29 before XXXXX, SEQ ID NO:30 after; X is PEG-linker)

CCPN2: 5'-Z-GAATC-XXXXX-ATGCGTACCGCGATTGATGCP-3'  
(SEQ ID NO:31 before XXXXX, SEQ ID NO:32 after)

CCPN3: 5'-Z-GAATC-XXXXX-CGCTGCAAGATGAATTCTGCP-3'  
(SEQ ID NO:33 before XXXXX, SEQ ID NO:34 after)

**Linker polynucleotides for CPN amplification:**

LP1: 5'-GATTCCTAGGATGCATATTACA (SEQ ID NO:35)

LP2: 3'-CTAAGGATCCTACGTATAATGTCG (SEQ ID NO:36)

LP3: 3' -GTCAATGCTGATGACGTP      (SEQ ID NO:37)

LP4: 5' -CAGTTACGACTACTGCAGC      (SEQ ID NO:38)

*Please delete the paragraph at page 74, line 18 and insert in its place the following new paragraph:*

AP1: 5' -B-T<sub>in</sub>T<sub>in</sub>GATTCCTAGGATGCATATTACAGC-3'    (SEQ ID NO:39)

*Please replace the paragraph at page 74, line 20 with the following amended paragraph:*

AP2: 5' -CAGTTACGACTACTGCAGC-3'    (SEQ ID NO:40)

*Please replace the paragraph at page 74, line 28 with the following amended paragraph:*

SP: 5' -GATTCCTAGGATGCATATTAC    (SEQ ID NO:41)

*Please delete the paragraphs at page 81, lines 21-35 and insert in their place the following new paragraphs:*

AH140: 5' -

AGCTGGATGCTCGACAGGTCAGGTGATCCGCCTTACCAGTCTGAACGTAGTCGTCCGATGCAATCCAGAGGTCG    (SEQ ID NO:42)

AH 154: 5' -

AGCTGGATGCTCGACAGGTCAAGTAACAGGTCGATCCGCCTTACCAGTCTGAACGTAGTCGTCCGATGCAATCCAGAGGTCG    (SEQ ID NO:43)

AH 155: 5' -

CTGGTAACCGCGGATCGACCTGTTACX    (SEQ ID NO:44)

AH 202: 5' -TCTGGATTGCATCGGGTTACX    (SEQ ID NO:45)

AH 251: 5' - ZGACCTGTCGAGCATCCAGCTPB    (SEQ ID NO:46)

AH 270: 5' - 6GTAACGACCTGTCAGGCAAGAGTTACX    (SEQ ID NO:47)

AH 272: 5' -ACGACTACGTTCAAGGCAAGAGTTACX    (SEQ ID NO:48)

AH 284: 5' -

AGCTGGATGCTCGACAGGTCAAGTAACAGGTCGATCCGCCTTACCAGGCA TTACCGCCCATAGCTGCGGCTTGC    (SEQ ID NO:49)

*Please replace the paragraphs at page 82, lines 2-33  
with the following amended paragraphs:*

AH 292: 5'-

GGCATGGTCCATCGACTGCAATATGCAAGCCGCAAGCTATGGC (SEQ ID NO:50)

AH 293: 5'-

GGCATGGTCCATCGACTGCAATATCGTATAGCAAGCCGCAAGCTATGGC (SEQ ID NO:51)

AH 294: 5'-

GGCATGGTCCATCGACTGCAATATCGTTACGGCATTACCGCAAGCCGCAAGCTATG  
GGC (SEQ ID NO:52)

AH 295: 5'-

GGCATGGTCCATCGACTGCAATATCGTTACGGCATTACCATATCGTTACGGCATT  
ACCGCAAGCCGCAAGCTATGGC (SEQ ID NO:53)

AH 296: 5'-

GGCATGGTCCATCGACTGCAATATCGTTACGGCATTACCATATCGTTACGGCATT  
ACCATATCGTTACGGCATTACCGCAAGCCGCAAGCTATGGC (SEQ ID NO:54)

AH 298: 5'-

GGCATGGTCCATCGACTGCAGCAAGCCGCAAGCTATGGC (SEQ ID NO:55)

AH 325: 5' -CTTATAACCTTGTGTAGCCG

TCTTGCCCTGAACGTAGTCGTCCGATGCAATCCAGAGGTCG (SEQ ID NO:56)

AH 326: 5' -CTTATAACCTTGTGTAGCCG

TCTTGCCCTGAACGTAGTCGTACTTCCGATGCAATCCAGAGGTCG (SEQ ID NO:57)

AH 327: 5' -CTTATAACCTTGTGTAGCCG

TCTTGCCCTGAACGTAGTCGTACTTCCGATGCAATCCAGAGGTCG (SEQ ID NO:58)

AH 328: 5' -CTTATAACCTTGTGTAGCCG

TCTTGCCCTGAACGTAGTCGTACTTCCGATGCAATCCAGAGGTCG (SEQ ID NO:59)

AH 329: 5' -

CTTATACCTTGTAGCCGTCTGCCTGAACGTAGTCGTGGTACTTCCGATGCAA  
TCCAGAGGTCTG (SEQ ID NO:60)

AH330: 5' -

CGGCTACAACAAGGTATAAGAAAAACATCGTAGGATTCTTCCTACGATGGCAAGCC  
GCAAGCTATGGC (SEQ ID NO:61)

AH332: 5' -

CGGCTACAACAAGGTATAAGAAAAACAGGATTCTTCCTGGCAAGCCGCAAGCTATG  
GGC (SEQ ID NO:62)

*Please delete the paragraphs at page 83, lines 1-35  
and insert in their place the following new paragraphs:*

AH 351: 5' -

CTTATACCTTGTAGCCGTCTGCCTGAACGTAGTCGTGGTACTGGCCGATGC  
AATCCAGAGGTCTG (SEQ ID NO:63)

AH 352: 5' -

CTTATACCTTGTAGCCGTCTGCCTGAACGTAGTCGTGGTACTGGTGCCGAT  
GCAATCCAGAGGTCTG (SEQ ID NO:64)

AH 353: 5' -

CTTATACCTTGTAGCCGTCTGCCTGAACGTAGTCGTGGTACTGGTGACCCG  
ATGCAATCCAGAGGTCTG (SEQ ID NO:65)

AH 354: 5' -

CTTATACCTTGTAGCCGTCTGCCTGAACGTAGTCGTGGTACTGGTGACTTC  
CGATGCAATCCAGAGGTCTG (SEQ ID NO:66)

AH 355: 5' -

CTTATACCTTGTAGCCGTCTGCCTGAACGTAGTCGTGGTACTGGTGACTTG  
GCCGATGCAATCCAGAGGTCTG (SEQ ID NO:67)

AH 378: 5' - TGCAGTCGATGGACCATGCCAGCTGGATGCTCGACAGGTC  
AACCGATGCAATCCAGAGGTCTG (SEQ ID NO:68)

AH 379: 5' - TGCAGTCGATGGACCATGCCAGCTGGATGCTCGACAGGTC  
AATCAGGCTGCCGATGCAATCCAGAGGTCTG (SEQ ID NO:69)

AH 380: 5' - CGGTTGAGGTACAGGTCGATCCCGCTTACCAAG

TCTTGCCTGAACGTAGTCGTGCCATAGCTTGCAGCTTGC (SEQ ID NO:70)

AH 381: 5' - 69GTAACGTACCTCAACCGGACCTGTCGAGCATCCAGCT  
(SEQ ID NO:71)

AH 382: 5' -GGTACAGGT~~CGATCCGCGTTACCAG~~  
TCTTG~~CCTGAACGTAGTCGTGCCCATAGCTTGC~~GGGCTTGC (SEQ ID NO:72)

AH 383: 5' -GGTACAGGT~~CGATCCGCGTTACCAG~~  
GGTACTCTTG~~CCTGAACGTAGTCGTGCCCATAGCTTGC~~GGGCTTGC (SEQ ID NO:73)

AH 386: 5' -  
GTTGAGGTACAGGT~~CGATCCGCGTTACCAGT~~TCTTG~~CCTGAACGTAGTCGTGCC~~CATA  
GCTTGC~~GGCTTGC~~ (SEQ ID NO:74)

AH 387: 5' -  
TGAGGTACAGGT~~CGATCCGCGTTACCAGT~~TCTTG~~CCTGAACGTAGTCGTGCC~~CATAGC  
TTGC~~GGCTTGC~~ (SEQ ID NO:75)

AH 388: 5' -  
AGGTACAGGT~~CGATCCGCGTTACCAGT~~TCTTG~~CCTGAACGTAGTCGTGCC~~CATAGC  
T~~GGGCTTGC~~ (SEQ ID NO:76)

*Please delete the paragraphs at page 84, lines 1-3  
and insert in their place the following new paragraphs:*

AH 392: 5' -CGACCTCTGGATTGCATCGGGTTACZ (SEQ ID NO:77)

AH 393: 5' -ACGACTACGTTCAGGCAAGAGTTACZ (SEQ ID NO:78)

AH 394: 5' -CTGGTAACCGGGATCGACCTGTTACZ (SEQ ID NO:79)

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IN THE SEQUENCE LISTING

Please enter the attached Sequence Listing numbered as pages 1-35 (sequences 1-79) .